

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001513

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: H01L 31/048

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI, INSPEC, ESPACE, USPTO, GOOGLE and keywords (smart dust, mote, photovoltaic, sensor, remote and similar terms)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | EP 736912 A1 (NAKATA) 9 October 1996 See abstract, figure 1b and column 9 | 1-8,30,33,45,46 |
| X | US 4308857 A (SIMS) 5 January 1982 See particularly abstract, figures and column 3 | 1-3,5,6,8,30,33,35 |
| X | US 4078944 A (MLAVSKY) 14 March 1978 See whole document, particularly abstract and figures | 1-3,8,30,33,45 |
| X | US 6204545 B1 (NAKATA) 20 March 2001 See abstract and figures | 1-4,8,9,46,47 |

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

| | |
|---|--|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier application or patent but published on or after the international filing date | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
2 February 2005

Date of mailing of the international search report

7 FEB 2005

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

STEPHEN CLARK

Telephone No : (02) 6283 2781

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001513

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | US 6284966 B1 (SIMBURGER et al) 4 September 2001 See figures 3 and 4 and column 2 line 26 to column 3 line 11 | 10,12-14,18, 20,22 |
| A | US 6534768 B1 (CIURCZAK et al) 18 March 2003 See abstract and figures 2a-2d | 6 |
| A | GB 2254730 A (CHAMPION SPARK PLUG EUROPE SA) 14 October 1992 See abstract and figures | |

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001513

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | | Patent Family Member | | | |
|---|---------|------|----------|----------------------|---------|----|------------|
| EP | 0736912 | AU | 28078/95 | CN | 1137840 | JP | 8125210 |
| | | US | 5785768 | WO | 9613070 | | |
| US | 4308857 | NONE | | | | | |
| US | 4078944 | US | 4144095 | | | | |
| US | 6204545 | AU | 72278/96 | CA | 2239626 | EP | 0866506 |
| | | WO | 9815983 | | | | |
| US | 6284966 | NONE | | | | | |
| US | 6534768 | AU | 32569/02 | EP | 1342059 | US | 2003102433 |
| | | WO | 0240951 | | | | |
| GB | 2254730 | DE | 4211865 | | | | |
| Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. | | | | | | | |
| END OF ANNEX | | | | | | | |

BEST AVAILABLE COPY